



Drafts

BRS:

Pending

Active

- 09/856 116
7/03
- ✓ L41: (1) 6090891.pn.
 - ✓ L42: (0) 6090891.pn. and isocyanurate
 - ✓ L43: (109830) tris(2-oxo-1,3-dioxolanyl-4-methyl) near2 isocyanurate
 - ✓ L44: (109830) tris(2-oxo-1,3-dioxolanyl-4-methyl) adj1 isocyanurate
 - ✓ L45: (0) tris adj1(2-oxo-1,3-dioxolanyl-4-methyl) adj1 isocyanurate
 - ✓ L46: (0) (2-oxo-1,3-dioxolanyl-4-methyl) adj1 isocyanurate
 - ✓ L47: (0) (2-oxo-1,3-dioxolanyl-4-methyl) and isocyanurate
 - ✓ L48: (0) (2-oxo-1,3-dioxolanyl-4-methyl)
 - ✓ L49: (1) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl)
 - ✓ L50: (1) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanurate
 - ✓ L51: (1) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanurate and catalyst
 - ✓ L52: (0) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanurate and cataly..
 - ✓ L53: (0) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanurate and cataly..
 - ✓ L54: (0) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanurate and cataly..
 - ✓ L55: (1) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanurate and catalyst
 - ✓ L56: (1) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanurate and epoxy...
 - ✓ L57: (1) tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanurate and epoxy...
 - ✓ L58: (0) prepar\$5 same tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanur..
 - ✓ L59: (0) process same tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanur..
 - ✓ L60: (1) process and tris adj1('2'\$loxo\$1'1'\$1'3'\$ldioxolanyl\$1'4'\$lmethyl) near2 isocyanura..
 - ✓ L61: (1) 2915521.pn.
 - ✓ L63: (3) 4129752.pn.

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UDC

Queue

Trash

2-oxo-1,3-dioxolan-4-yl groups, hereinafter referred to as cyclocarbonate groups, and, optionally, functional groups that are made up almost exclusively of epoxy groups, wherein both the polymer reacting with epoxy to form ester forming and/or ether forming groups and the cross-linking agent are obtained by a non-vinyllic addition and/or polymerisation process.

2. A powder coating composition according to claim 1, wherein the catalyst used as ring opener for the cyclocarbonate group is present in a quantity of 0.1 to 5 parts by weight per 100 parts by weight of the mixture of particles reactive towards one another.

3. A powder coating composition according to claim 1, wherein the quantity of epoxy oxygen present in the cross-linking agent after CO.sub.2 unblocking is at least 0.4 wt. %.

4. A powder coating composition according to claim 1, wherein the cyclocarbonate groups-containing cross-linking agent is obtained by reacting a corresponding polyepoxide with carbon dioxide.

→ 5. A powder coating composition according to claim 1, wherein the cyclocarbonate groups-containing cross-linking agent is tris(2-oxo-1,3-dioxolanyl-4-methyl)isocyanurate, which is obtained by reacting triglycidyl isocyanurate with carbon dioxide.

6. A powder coating composition according to claim 1, wherein the cyclocarbonate groups-containing cross-linking agent is obtained by reacting a cyclocarbonate containing a functional group with at least two groups reactive towards said functional group..

7. A powder coating composition according to claim 6, wherein the

catalyst
IP 10

FA III
IP 10 *propose*

cyclocarbonate

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